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Sequence Listing was accepted.

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Reviewer: Anne Corrigan

Timestamp: [year=2008; month=6; day=4; hr=18; min=10; sec=38; ms=423; ]

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Application No: 10520401 Version No: 3.0

**Input Set:**

**Output Set:**

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**Finished:** 2008-05-13 14:00:13.190  
**Elapsed:** 0 hr(s) 0 min(s) 0 sec(s) 804 ms  
**Total Warnings:** 8  
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**No. of SeqIDs Defined:** 10  
**Actual SeqID Count:** 10

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SEQUENCE LISTING

<110> BOZZONI, IRENE  
CAFFARELLI, ELISA  
LANEVE, PIETRO

<120> PURIFICATION, CLONING AND BIOCHEMICAL CHARACTERIZATION  
OF XENDOU, ENDORIBONUCLEASIC ACTIVITY INVOLVED IN SMALL  
NUCLEAR RNA SPLICING-INDEPENDENT BIOSYNTHESIS IN  
XENOPUS LAEVIS

<130> 2520-1050

<140> 10520401

<141> 2005-09-12

<150> PCT/IT03/00424

<151> 2003-07-04

<150> IT RM2002A000365

<151> 2002-07-08

<160> 10

<170> PatentIn Ver. 3.3

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<213> Xenopus laevis

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<222> (39)..(914)

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cag ctg aac cat gaa ctc tcc aag ctg ttt aat gag ctg tgg gac gca 104  
Gln Leu Asn His Glu Leu Ser Lys Leu Phe Asn Glu Leu Trp Asp Ala  
10 15 20

gat cag aac cgg atg aag tcc ggg aag gat tat cgg atc tcc ttg cag 152  
Asp Gln Asn Arg Met Lys Ser Gly Lys Asp Tyr Arg Ile Ser Leu Gln  
25 30 35

ggt aaa gca ggg tac gta ccc gcc ggt tcc aac cag gcc agg gac agc 200  
Gly Lys Ala Gly Tyr Val Pro Ala Gly Ser Asn Gln Ala Arg Asp Ser  
40 45 50

gcc tcg ttc ccg ctc ttc cag ttc gtc gat gag gag aag ctg aag agc 248  
Ala Ser Phe Pro Leu Phe Gln Phe Val Asp Glu Glu Lys Leu Lys Ser  
55 60 65 70

agg aag acg ttt gca acc ttc att tcc ctg ctg gac aat tat gag atg		296	
Arg Lys Thr Phe Ala Thr Phe Ile Ser Leu Leu Asp Asn Tyr Glu Met			
75	80	85	
gac acg ggg gtg gcc gag gtt gtg act ccg gag gaa atc gct gaa aac		344	
Asp Thr Gly Val Ala Glu Val Val Thr Pro Glu Glu Ile Ala Glu Asn			
90	95	100	
aac aac ttc ctg gac gcc att ctg gaa acc aaa gtg atg aag atg gca		392	
Asn Asn Phe Leu Asp Ala Ile Leu Glu Thr Lys Val Met Lys Met Ala			
105	110	115	
cat gac tac ctg gtg agg aag aac caa gcc aaa ccc acc cgg aat gac		440	
His Asp Tyr Leu Val Arg Lys Asn Gln Ala Lys Pro Thr Arg Asn Asp			
120	125	130	
ttc aag gtc caa ctg tac aac atc tgg ttc cag ctg tac tca cgg gcc		488	
Phe Lys Val Gln Leu Tyr Asn Ile Trp Phe Gln Leu Tyr Ser Arg Ala			
135	140	145	150
cca ggg agc aga ccc gat tcg tgc ggc ttt gag cac gtg ttt gtg gga		536	
Pro Gly Ser Arg Pro Asp Ser Cys Gly Phe Glu His Val Phe Val Gly			
155	160	165	
gaa tcg aag cga ggg cag gag atg atg ggg ctt cac aac tgg gtc cag		584	
Glu Ser Lys Arg Gly Gln Glu Met Met Gly Leu His Asn Trp Val Gln			
170	175	180	
ttt tac ctt cag gag aag agg aag aac atc gac tat aaa gga tac gtg		632	
Phe Tyr Leu Gln Glu Lys Arg Lys Asn Ile Asp Tyr Lys Gly Tyr Val			
185	190	195	
gct cgg cag aac aag agt cgg ccg gat gaa gat gat cag gtg ttg aac		680	
Ala Arg Gln Asn Lys Ser Arg Pro Asp Glu Asp Asp Gln Val Leu Asn			
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ctg cag ttc aat tgg aag gag atg gtg aaa ccc gtc ggc agc agc ttc		728	
Leu Gln Phe Asn Trp Lys Glu Met Val Lys Pro Val Gly Ser Ser Phe			
215	220	225	230
att ggc gtc agc ccg gaa ttc gaa ttc gcc ctt tac acc atc gtc ttc		776	
Ile Gly Val Ser Pro Glu Phe Glu Phe Ala Leu Tyr Thr Ile Val Phe			
235	240	245	
ctc gcg tct cag gag aag atg agc cga gaa gtc gtt cgg ctg gaa gaa		824	
Leu Ala Ser Gln Glu Lys Met Ser Arg Glu Val Val Arg Leu Glu Glu			
250	255	260	
tac gaa ctg cag atc gtc gtc aat cgc cac ggc cgt tat ata ggg acc		872	
Tyr Glu Leu Gln Ile Val Val Asn Arg His Gly Arg Tyr Ile Gly Thr			
265	270	275	
gcc tac ccc gtc ctc ctg agc acc aat aac ccg gat ctg tac t		915	
Ala Tyr Pro Val Leu Leu Ser Thr Asn Asn Pro Asp Leu Tyr			
280	285	290	

gaggggggcgg ggctagagat cacagccgt tcccacggtt tgggtgcatt tactaaca	975
actgcaccaa tgcaacaaca atgcaagcag ataatgggg caggtccata tccctctgct	1035
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Tyr Arg Ile Ser Leu Gln Gly Lys Ala Gly Tyr Val Pro Ala Gly Ser			
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Asn Gln Ala Arg Asp Ser Ala Ser Phe Pro Leu Phe Gln Phe Val Asp			
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Glu Glu Lys Leu Lys Ser Arg Lys Thr Phe Ala Thr Phe Ile Ser Leu			
65	70	75	80
Leu Asp Asn Tyr Glu Met Asp Thr Gly Val Ala Glu Val Val Thr Pro			
85	90	95	
Glu Glu Ile Ala Glu Asn Asn Phe Leu Asp Ala Ile Leu Glu Thr			
100	105	110	
Lys Val Met Lys Met Ala His Asp Tyr Leu Val Arg Lys Asn Gln Ala			
115	120	125	
Lys Pro Thr Arg Asn Asp Phe Lys Val Gln Leu Tyr Asn Ile Trp Phe			
130	135	140	
Gln Leu Tyr Ser Arg Ala Pro Gly Ser Arg Pro Asp Ser Cys Gly Phe			
145	150	155	160
Glu His Val Phe Val Gly Glu Ser Lys Arg Gly Gln Glu Met Met Gly			
165	170	175	
Leu His Asn Trp Val Gln Phe Tyr Leu Gln Glu Lys Arg Lys Asn Ile			
180	185	190	
Asp Tyr Lys Gly Tyr Val Ala Arg Gln Asn Lys Ser Arg Pro Asp Glu			
195	200	205	

Asp Asp Gln Val Leu Asn Leu Gln Phe Asn Trp Lys Glu Met Val Lys

210

215

220

Pro Val Gly Ser Ser Phe Ile Gly Val Ser Pro Glu Phe Glu Phe Ala

225

230

235

240

Leu Tyr Thr Ile Val Phe Leu Ala Ser Gln Glu Lys Met Ser Arg Glu

245

250

255

Val Val Arg Leu Glu Glu Tyr Glu Leu Gln Ile Val Val Asn Arg His

260

265

270

Gly Arg Tyr Ile Gly Thr Ala Tyr Pro Val Leu Leu Ser Thr Asn Asn

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280

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<210> 4

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